

WHAT IS CLAIMED IS:

1. A network security apparatus comprising:

a billing server configured to calculate security protection consumption during a period of time by quantifying damages avoided by one or more blocked attacks.
2. The apparatus of claim 1, wherein calculating security protection consumption further includes determining whether a blocked attack would have exploited a network vulnerability.
3. The apparatus of claim 2, wherein determination if a blocked attack would have exploited network vulnerability is determined by replaying the attack on the internal network.
4. The apparatus of claim 1, further comprising a scanner configured to scan one or more devices for vulnerabilities.
5. The apparatus of claim 4, wherein the scanner is configured to quantify the risk of one or more devices.
6. The apparatus of claim 4, wherein the scanner is located within a customer network.

7. The apparatus of claim 1, further comprising an intrusion suppression module configured to block attacks.
8. The apparatus of claim 7, wherein the intrusion suppression module is configured to maintain a list of attacks sustained and blocked during a period of time.
9. The apparatus of claim 7, wherein the intrusion suppression module is located outside a customer network.
10. A network security method comprised of:
quantifying damages avoided by one or more blocked attacks; and
calculating security protection consumption during a period of time.
11. The method of claim 10, further comprised of determining whether a blocked attack would have exploited network vulnerability.
12. The method of claim 10, further comprised of scanning one or more devices for vulnerabilities.
13. The method of claim 12, further comprised of quantifying the risk of one or more devices.

14. The method claim 1, further comprised of the blocking one or more attacks.
15. The method of claim 14, further comprised of the maintaining of a list of attacks sustained and blocked during a period of time.
16. A network security apparatus comprised of:
 - means for quantifying damages avoided by one or more blocked attacks; and
 - means for calculating security protection consumption during a period of time.
17. The apparatus of claim 16, further comprised of the means for determining whether a blocked attack would have exploited network vulnerability.
18. The apparatus of claim 16, further comprised of the means for scanning one or more devices for vulnerabilities.
19. The apparatus of claim 18, further comprised of the means for quantifying the risk of one or more devices.
20. The apparatus claim 16, further comprised of the means for blocking one or more attacks.

21. The apparatus of claim 20, further comprised of the means for maintaining a list of attacks sustained and blocked during a period of time.

22. A computer program stored on a computer-readable medium, the program comprising instructions for:

quantifying damages avoided by one or more blocked attacks; and
calculating security protection consumption during a period of time.

23. The program of claim 21, further comprising instructions for determining whether a blocked attack would have exploited network vulnerability.

24. The program of claim 21, further comprising instructions for scanning one or more devices for vulnerabilities.

25. The program of apparatus of claim 23, further comprising instructions for quantifying risk of one or more devices.

26. The program of claim 21, further comprising instructions blocking one or more attacks.

27. The apparatus of claim 25, further comprising means for maintaining a list of attacks sustained and blocked during a period of time.

28. The program of claim 21, wherein the computer-readable medium comprises one or more of a memory module, a disk, a device, and a propagated signal.